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**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: A8701

Tadashi YAMAMOTO, et al.

Appln. No.: 10/813,389

Group Art Unit: 1725

Confirmation No.: 5820

Examiner: Not yet assigned

Filed: March 31, 2004

For: **ULTRASHORT PULSE LASER PROCESSING WITH CONTROLLED THERMAL  
AND PHYSICAL ALTERATIONS TO ENHANCE PROCESSING RESULTS**

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents, other than any U.S. patents and patent publications, is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not

**INFORMATION DISCLOSURE STATEMENT**  
**U.S. Appln. No.: 10/813,389**

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waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



Richard C. Turner  
Registration No. 29,710

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

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First Named Inventor	Tadashi YAMAMOTO
Art Unit	1725
Examiner Name	Not yet assigned
Attorney Docket Number	A8701

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 5,656,186	A	08/12/1997	Maourou et al
		US 6,552,301	B2	04/22/2003	Herman et al
		US 6,574,250	B2	06/03/2003	Sun et al
		US 2003/0151053	A1	08/14/2003	Sun et al
		US 5,761,111	A	06/02/1998	E. Glezer
		US			
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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		'Ultrafast pulse train micromachining', Ihtesham H. Choedhury, et al, Spie Proceedings, Vol. 4978 (2003) pp. 138-146	
		'Laser-induced breakdown spectroscopy of steel samples using multiple Q-switch Nd:YAG laser pulses', R. Sattmann et al., J. Phys. D: Appl. Phys. 28, (1995) p. 2181-2187	

**Date Considered**

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.